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I, JANENE PEISKER, TEAM LEADER EXAMINATION SUPPORT AND SALES hereby certify that annexed is a true copy of the Provisional specification in connection with Application No. 2004901756 for a patent by COLORSCREEN PRINT PTY LTD as filed on 02 April 2004.

WITNESS my hand this
Tenth day of May 2005

JANENE PEISKER
TEAM LEADER EXAMINATION
SUPPORT AND SALES

Provisional Patent Specification

Title: Improved image retention system for vending panels.

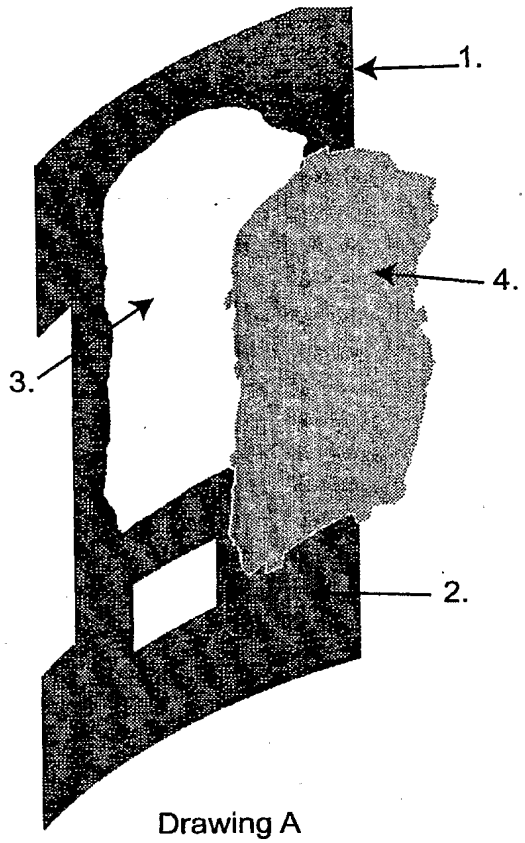
In the broadest form the invention is described in the following statement:
The invention relates to the problems encountered with the positioning, changing and retention of replaceable images in IceCave vending panels.

The invention may be better understood with reference to the following drawings. The IceCave (clear polycarbonate) panel (drawing A)(1) has a colourful border image printed on the inside around its perimeter (2). The centre area of the panel is left clear (3) so that a printed substrate (4) can be affixed behind this area and be illuminated from behind.

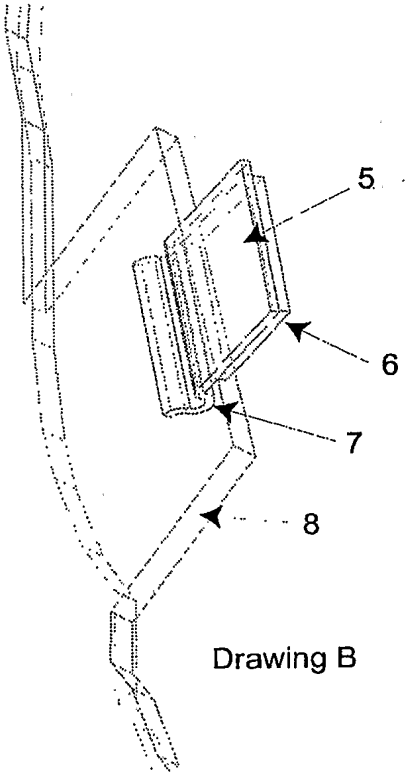
Currently the exchangeable printed substrates are held in place by moulded acrylic retention clips (drawing B). The placing and the size of the clips (5) is crucial, as they have to be in an opaque section of the IceCave border image so they can not be seen from the front of the Icecave panel when illuminated from behind. One end of the clip is fastened by way of double-sided adhesive tape (6) to the printed side (inside) of the IceCave panel. The opposite side of the clip has a V-shaped depression (7) which is then used to clamp and locate the replaceable printed substrate (8) in position.

There are multiple problems with this system. The amount of clamping force is limited to the adhesion of the double-sided adhesive tape. This allows the image to move out of position in a lot of cases resulting in a crumpled wavy look. Another problem is that the images are changed frequently and the fitter is not always gentle with the clips resulting in breakages and dislodgement of the individual clips.

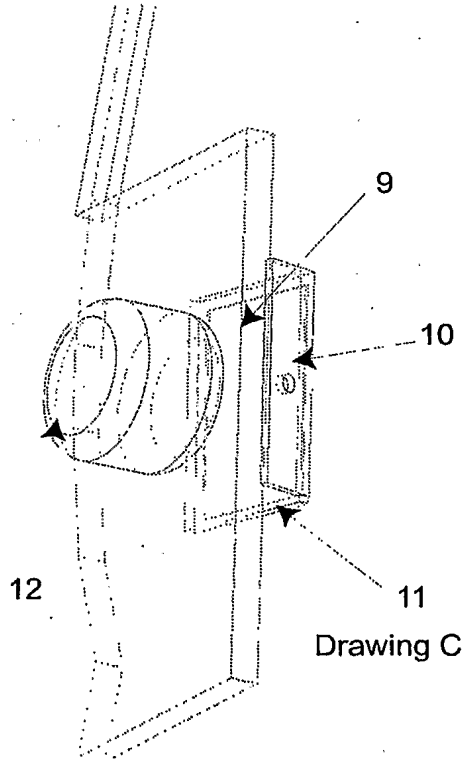
The current invention (drawing C) bypasses these problems. The adhesive clip is replaced by a sheetmetal base (9) with a folded edge (10) on one side. It is fastened with double-sided adhesive tape (11) in the position previously occupied by the moulded acrylic clip. Due to the fact that the base can take up the whole area of the clip, as it does not need the v-shaped depression, the surface area for the adhesive tape is larger resulting in a better hold on the IceCave panel. The edge folded up from the base gives the replaceable substrate a positive location. Then a small neodium magnet (12) is used to hold the printed substrate to the base thereby holding the replaceable panel securely in place. In one form of the invention the magnets are attached by way of a piece of string to the folded edge (10) so they can not be lost during image changes. Image replacement time in the field is not affected.



Drawing A



Drawing B



Drawing C